Ham-Equip Digest   Wed, 1 Dec 93   Volume 93 : Issue 118

Today's Topics:
                  2meter/70cm cross-band repeat
                        Alaska radio gear
                FOX TANGO ADDRESS/PHONE NO. WANTED
                      IC-22S help needed
                         IC-27A hum
                   kenwood TS450S software
              PK-88 vs KPC-3 vs DPK-2 - Comments?
                    TS-940s dead, any help?
          UHF Repeater: Hi Pro Mk I Service/Manual?

I am considering the purchase of a 2 meter/70cm dual-band
rig with cross-band repeat capability.

Are there "standard" or agreed upon frequencies (other than
the usual simplex freqs) that are preferred for the
cross-band channel? Is cross-banding becomming so popular
that one must be concerned with frequency coordination?

I understand that PL encode on the cross-band channel

can help, as can "password" protection.

Thanks!

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  /`-_        kevin.jessup@mixcom.com  |  The US Constitution defines the
 {     }/ Marquette Electronics, Inc   |  "rights" the people give to the
  \    /   Milwaukee, Wisconsin, USA   |  government, not the reverse!
   |__*|  N9SQB, ARRL, Amateur Radio   |
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Date: Tue, 30 Nov 1993 16:29:10 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!
vixen.cso.uiuc.edu!milo.mcs.anl.gov!anagram.mcs.anl.gov!lent@network.ucsd.edu
Subject: Alaska radio gear
To: ham-equip@ucsd.edu

I have a friend that is planning a trip to the Brooks range/Artic Ocean
side of Alaska this summer. He has been asking me about what kind of
radios to get for the trip. They would be used for emergencies and
for contact with their pilots and linking up with different groups of
people that will be joining up with him during the trip. He does not
have a ham license yet, but is starting to work on one. I suggested
getting a marine UHF radio for at least the sea kyaking portion, but
did not know how to advise him further. Does anyone have experience in
this area? What can one legally use up there? What kind of repeaters
(if any) or satilite coverage can be expected? Any suggestions on
RUGGED equipment, modes and frequencies?
73
kc4zqg

you can email at:
lent@mcs.anl.gov   or
elent@ms.uky.edu

  'No, I can't admit it. Brother,' said Alyosha suddenly,
  with flashing eyes, 'you said just now, is there a being in
  the whole world who would have the right to forgive and could
  forgive? But there is a Being and He can forgive everything,
  all and for all, because He gave His innocent blood for all
  and everything. You have forgotten Him and on Him is built
  that edifice, and it is to Him they cry aloud, "Thou art just,
  O Lord, for Thy ways are revealed!"'"

     The Brothers Karamazov
              Fyodor Dostoevsky

I believe that IRCI is the successor to Fox Tango.

IRCI
3804 South U.S. 1
Fort Pierce, FL. 34982

407 489 0956

Nice filters!

Clark

....

Clark Savage Turner, Graduate Student Researcher
Safety Critical Software Group   home:
Department of Info. and Computer Science 1514 Verano Place
Irvine, CA. 92717   Irvine, CA. 92715
(714) 856 4049   (714) 856 2131

WA3JPG, QRP #3526, active on HF, VHF and UHF.
ARRL Volunteer Counsel

I have this Icom IC-22S hanging around from years ago and
I want to put it to some use. The diode-matrix programmed
frequency synthesizer won't go below 145.8 MHz, and most
of the action here in my new location is below 146. I can
program it below that frequency, but the unit appears not
to function - just like if there are no diodes in that
slot at all.

Does anyone have any ideas on how to extend the frequency

range on this unit, down to say 144?

thanks, clint KC7XX

Date: 29 Nov 93 00:11:08
From: mvb.saic.com!unogate!news.service.uci.edu!usc!yeshua.marcam.com!
zip.eecs.umich.edu!zip.eecs.umich.edu!hideg@network.ucsd.edu
Subject: IC-27A hum
To: ham-equip@ucsd.edu

I have an IC-27A (2m mobile) that emits a terrible hum in the transmitted
audio. This hum is more prevalent on high power, and in the range of transmit
frequencies between 144 and 146MHz. I can also hear this hum on the speaker
(at any operating frequency).

This is *NOT* a 60Hz hum.

I have come to suspect that it may be related to the multiplexing of the
radio's LED display.

Anybody out there experience this? Anyone have a solution?

Thanks.

--Steve Hideg, N8HSC
  hideg@erim.org

Date: Mon, 29 Nov 1993 06:22:59 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!agate!
library.ucla.edu!csulb.edu!nic.csu.net!csun.edu!
VFOAO0IX%VAX.CSUN.EDU@network.ucsd.edu
Subject: kenwood TS450S software
To: ham-equip@ucsd.edu

 The program WRADIO, which is designed to control a TS-440 transceiver
> has been posted on CompuServe by Gregory Braun. I don't know if is
> available for FTP from an Internet site.
>
> You might send a note to Braun asking him at 71613.2175@compuserve.com.
>
> Fell free to ask me if you need more info, but I would prefer that you
> direct responses to my Compuserve address: 70413,3145@compuserve.com
>
> Note: I'll be unavailable for several weeks starting with 5 december.

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>
> WRADIO 1.4 works reasonably well on my TS-850SAT but needs some cleanup.
>


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Date: Tue, 30 Nov 1993 01:22:06 GMT
From: netcomsv!netcom.com!fmitch@decwrl.dec.com
Subject: PK-88 vs KPC-3 vs DPK-2 - Comments?
To: ham-equip@ucsd.edu

Dave Jenkins (djenkins@wang.com) wrote:

: The BayPac (BayCom) modem was fun, but, it is time to upgrade to a REAL TNC.

: Most of my packet operation is in TCP/IP but some is still AX-25.  All of it
: is in VHF/UHF (HF privs yes, radios no).  The option of operating "portable"
: is attractive for coolness and/or emergencies, but, is not essential.

: I am trying to decide between asking for a PK-88, KPC-3 or DPK-2.  Some of
: the relative merits that I know of include:

: PK-88:  Y  Y  N  Y  ?  ?          $139.95

: KPC-3:  L  1  Y  Y  Y  Y          $119.95

: DPK-2:  L  Y  N  Y  2  3          $109.95
:         ^  ^  ^  ^  ^  ^             ^
:         |  |  |  |  |  |             |
:         |  |  |  |  |  |          +------- HRO Price
:         |  |  |  |  |  |
:         |  |  |  |  | +--------- Open squelch operation
:         |  |  |  | +------------ TNC-2 Compatible
:         |  |  | +-------------- PBBS
:         |  | +----------------- WEFAX
:         | +-------------------- Kiss Mode
:        +---------------------- 12 Operation (L = Low power consumption)

: 1) The guy at HRO said it does KISS Mode but it didn't say in the catalog.
: 2) "100% firmware compatability with TAPR TNC-2"
:    "* TNC-2 Compatible     * Runs all TNC-2proms"
: 3) $31.95 optional board

: Oddly enough, the guy from HRO didn't talk up the DPK-2 at all.  He said the
: other two would work fine but that if I wanted to do HF packet some day then
: I should not get the KPC-3.
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: Any comments/suggestions/recommendations/opinions are welcome/appreciated.

: --
: David E. Jenkins   Home: (508) 632-4164   Wang Labs, Inc.
: 52 Norman Street   Work: (508) 967-7284   M/S 014-690
: Gardner, MA 01440-1916   Fax: (508) 967-2212   1 Industrial Ave.
: Packet: n1mxv@wa1phy.ma   e-mail: djenkins@wang.com   Lowell, MA 01851

hi david...

mitch wa4osr here in mobile, alabama...

i have had all of the tnc's you mention (including the bay-pac)... i still
have the dpk-2! it is a semi-clone of the tnc-2, and it does run KISS
mode with the standard rom that comes with it... any software that runs
in a tnc-2 will run in/with the dpk-2... the changes/improvements over
the tnc-2 is much smaller size, has a 9.+ mhz clock and a real baud rate
generator... it will go up to 38.4 kbaud to your terminal... it has the
standard tnc-2 modem disconnect header in case u want to run an external 9600
baud modem with it... my dpk-2 is from the first production run that
drsi made... i have had absolutely no problems with it...

mitch

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fmitch@netcom.com
Felton "Mitch" Mitchell, WA4OSR in Mobile, Alabama USA
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..

Date: 30 Nov 1993 12:05:51 +0200
From: swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!sunic!news.funet.fi!
butler.cc.tut.fi!lehtori.cc.tut.fi!not-for-mail@network.ucsd.edu
Subject: TS-940s dead, any help?
To: ham-equip@ucsd.edu

Hello!
We have a sad story abt Kenwood ts-940. It has been little
sick allways, but now it's finally total dead! Our station
is located on a little cabin out of a town, and equipments
are stored there without any heating. Sometimes on wintertime
temperature there goes some degrees below 0 C, and ts-940

was quiet when it was swiched on. PLL wasn't locked until
temperature raised to normal and rig was on couple hours.
Last summer it began to do the same, even that temperature
was at least 10 C all time. It took just couple hours with
power swiched on, before the PLL get locked and frequency
was seen instead of dots on the screen.

When the rig finally started to work, it was ok as long as
it had power on. We just get used to that, because no one
was able to fix it (no good Kenwood service on whole country).

Well, just last friday, when we went to station to make things
up for the contest, we found that rig was not going to work
at all. When the rig get warm, it just showed F_LOCK on the screen
and we didn't got it off! Nothing worked, band and mode couldn't
been changed, it didn't receive or x-mit, but the frequency was
on screen instead of dots.

The only way to get F_LOCK off was hold A=B on , while power was
switched on (reset), but it was ok only one second before the
F_LOCK come back on. Then we tried everything and find that if
we hold TF_SET on while resetting the rig, it stays ok as long as
TF_SET-button is kept ON. It received and x-mitted ok, but band
couldn't been changed, and of course nobody could keep his finger
on TF_SET-button while operating contest!

We started to operate contest with our spare rig (ts-440), but after
few hours, its PLL didn't stay locked on upper bands and we had to
find another ts-440. That one was ok entire contest. (I had also my
own IC-735, but it couldn't be used because it needs different
interface to talk with computer.)

So does anyone have any ideas what to do with that TS-940? Any similar
cases anywhere ?

Any help appreciated!

TNX in advance, Pete
OH3MEP

P.S. Just glad that my own rig is Icom!

Date: 30 Nov 93 11:10:31 EST

From: titan.ksc.nasa.gov!titan.ksc.nasa.gov!nntp@ames.arpa
Subject: UHF Repeater: Hi Pro Mk I Service/Manual?
To: ham-equip@ucsd.edu

I'm looking for a manual for a Hi Pro UHF repeater
or any similar models. Our local club recently
acquired the repeater but no manual was available.
Any help would be greatly appreciated.

TNX
73
Tom
AD4NA
Titusvillle Amateur Radio Club (TARC)

Date: Mon, 29 Nov 1993 03:31:44 GMT
From: gsm001!gsm001.mendelson.com!gsmlrn@uunet.uu.net
To: ham-equip@ucsd.edu

References <1993Nov23.185148.12424@news.uiowa.edu>,
<1993Nov28.040110.14821@gsm001.mendelson.com>,
<Nov28.164848.8976@yuma.ACNS.ColoState.EDU>endel
Subject : Re: SSB VHF/UHF portable equipment info needed??

In article <Nov28.164848.8976@yuma.ACNS.ColoState.EDU>
    galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:

>Also, Tokyo Hi-Power Has a 40/15/6m HT, covers all of 40 and 15m and 50.0-
>50.5 on 6m, 3/3/2 watts out, CW and SSB.
>from:
>Orion Business International 209-432-4155
>360 W. Bedford Ave, Ste 111
>Fresno, CA 93711

In the last few weeks, Tokyo Hi-Power has decided to leave the U.S. market.
They will no longer sell anything here. As far as I can tell, from newsline
and other sources, that Orion found out when everyone else did. They are
now a distibutor without a product :-(

This is a shame as I have only heard good things about Tokyo Hi-Power equipment
and planned to buy the 40/15/6m ht when I finaly passed my 13wpm test.

73,

Geoff.

Date: Mon, 29 Nov 1993 23:34:50 GMT
From: telesoft!garym@uunet.uu.net
To: ham-equip@ucsd.edu

References <931122.81078.LMARRIN@delphi.com>, <2cte8a$9de@tymix.Tymnet.COM>,
<2cth7t$9j@nntpd.lkg.dec.com>
Subject : Re: Problems with Kenwood TM-742A

In <2cth7t$9j@nntpd.lkg.dec.com> legerlotz@smaug.enet.dec.com () writes:
>When the radio locks up from the S-meter squelch mode, you can't do anything
>with the bottons. You have no control over the radio. Disconnecting power and
>reconnecting has no impact, either.

>Still waiting for information from Kenwood. It still really amazes me that
>they haven't tested this radio (and its various Rev chips) more and then expect
>people to shell out $700 for the base radio.

Today I found out that Kenwood has just issued a service bulletin for this
problem on the 742A. Tonight I will get a copy of it. The bulletin lists
the S-meter squelch mode as *one* of the possible ways to trigger this
problem and gives ranges of serial numbers that have the problem. The fix
is to replace two IC's. I'll post full details as soon as I get a copy of
the service bulletin.
--GaryM
--
Gary Morris KK6YB   Internet: garym@alsys.com
San Diego, CA USA   Phone: +1 619-457-2700 x128 (work)

Date: Tue, 30 Nov 1993 04:00:22 GMT
From: telesoft!garym@uunet.uu.net
To: ham-equip@ucsd.edu

References <2cte8a$9de@tymix.Tymnet.COM>, <2cth7t$9j@nntpd.lkg.dec.com>,
<CHA1I6.LyB@alsys.com>
Subject : Re: Problems with Kenwood TM-742A (and TM-942A)

I just got a copy of the Service Bulletin that Kenwood has issued for this
problem. Here's the relevent text below. They've already fixed the problem

in the radios being produced now (s/n 507XXXX and up). I talked to Kenwood
service department today and they said my radio has been fixed and will be
shipped back to HRO tomorrow. I'm looking forward to getting it back.
--GaryM

Kenwood Service Bulletin
ASB-1033
Date: November 29, 1993
Subject: TM-742/942A Microprocessor Change

Symptom: Reports of problems with microprocessor lock-up when using S-meter
squelch, problems with storage/recall of PL tone frequencies of 203.5 Hz,
and/or 114.8 Hz., or problems with lack of transmit on UHF band modules during
Remote operation can be corrected using the changes noted in this bulletin.
Units that exhibit any of these symptoms with serial numbers between 412XXXX
and 507XXXX need only change IC1 on X53-3460-21 B/2. Units that exhibit any
of these symptoms with serial numbers of 412XXXX and below must also change
IC1 on X54-3130-11. Units with serial numbers of 507XXXX and greater have
had these changes incorporated in production.

Parts Required:
Qty Description   Old Part No. New Part No. Circuit Description
--- --------------- ------------- ------------- ----------------------
 1 Microprocessor HD6433388A07F
        or
                   HD6433388A14F HD6433388A22F IC1

 1 Microprocessor HD404719A26H HD404719A32H IC1

Caution: This modification requires advanced surface mount soldering
equipment that is rated for CMOS circuits. It also requires familiarity
with advanced surface mount soldering techniques. If you do not have the
proper equipment or knowledge do not attempt this modification yourself.
Attempting to remove and replace either IC without the proper equipment and
techniques can easily damage the circuit boards and void your warranty.
Seek qualified assistance from your closest Kenwood Service Center (Long
Beach, CA, or Virginia Beach, VA).

End of Ham-Equip Digest V93 #118
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